

PCT REQUEST

Original (for SUBMISSION)

0	For receiving Office use only	
0-1	International Application No.	
0-2	International Filing Date	
0-3	Name of receiving Office and "PCT International Application"	
0-4	Form - PCT/RO/101 PCT Request	
0-4-1	Prepared using	JPO-PAS 0322
0-5	Petition The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty	
0-6	Receiving Office (specified by the applicant)	Japan Patent Office (RO/JP)
0-7	Applicant's or agent's file reference	PCT2181KU
I	Title of invention	BACKLIGHT DEVICE FOR LIQUID CRYSTAL DISPLAY
II	Applicant	
II-1	This person is:	applicant only
II-2	Applicant for	all designated States except US
II-4	Name	KURARAY Co., Ltd.
II-5	Address:	1621 Sakazu, Kurashiki-shi, Okayama 7108622 Japan
II-6	State of nationality	JP
II-7	State of residence	JP
II-8	Telephone No	03-6701-1281
II-9	Facsimile No.	03-6701-1299
II-11	Registration Number of the Applicant	000001085
III-1	Applicant and/or inventor	
III-1-1	This person is:	applicant and inventor
III-1-2	Applicant for	US only
III-1-4	Name (LAST, First)	YOSHIKAWA, Toshiyuki
III-1-5	Address:	c/o KURARAY Co., Ltd., 41 Miyukigaoka, Tsukuba-shi, Ibaraki 3050841 Japan
III-1-6	State of nationality	JP
III-1-7	State of residence	JP
III-2	Applicant and/or inventor	
III-2-1	This person is:	applicant and inventor
III-2-2	Applicant for	US only
III-2-4	Name (LAST, First)	MUKOO, Yoshiki
III-2-5	Address:	c/o KURARAY Co., Ltd., 41 Miyukigaoka, Tsukuba-shi, Ibaraki 3050841 Japan
III-2-6	State of nationality	JP
III-2-7	State of residence	JP

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III-3	Applicant and/or inventor	
III-3-1	This person is:	applicant and inventor
III-3-2	Applicant for	US only
III-3-4	Name (LAST, First)	MATSUZAKI, Ichiro
III-3-5	Address:	c/o KURARAY Co., Ltd., 2-28 Kurashikicho, Nakajho-machi, Kitakanbara-gun, Niigata 9592691 Japan
III-3-6	State of nationality	JP
III-3-7	State of residence	JP

IV-1	Agent or common representative; or address for correspondence The person identified below is hereby/has been appointed to act on behalf of the applicant(s) before the competent International Authorities as:	agent
IV-1-1	Name (LAST, First)	KUZUWA, Kiyoshi
IV-1-2	Address:	Patent Attorneys, KUZUWA & PARTNERS, T&T Bldg., 8-21, Tomihisa-cho, Shinjuku-ku, Tokyo 1620067 Japan
IV-1-3	Telephone No	03-5366-9961
IV-1-4	Facsimile No.	03-5366-9960
IV-1-5	e-mail	kuzupat@kuzuwa.com
IV-1-5	Registration Number of the agent	100102842

V	Designations	
V-1.	The filing of this request constitutes under Rule 4.9(a), the designation of all Contracting States bound by the PCT on the international filing date, for the grant of every kind of protection available and where applicable, for the grant of both regional and national patents.	
VI-1	Priority claim of earlier national application	
VI-1-1	Filing date	09 February 2004 (09.02.2004)
VI-1-2	Number	2004-032497
VI-1-3	Country	JP
VI-2	The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) identified above as	VI-1
VII-1	International Searching Authority Chosen	Japan Patent Office (ISA/JP)

VIII	Declarations	Number of declarations	
VIII-1	Declaration as to the identity of the inventor	-	
VIII-2	Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent	-	
VI 11-3	Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application	-	

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VIII-4	Declaration of inventorship (only for the purposes of the designation of the United States of America)	-	
VIII-5	Declaration as to non-prejudicial disclosures or exceptions to lack of novelty	-	

IX	Check list	number of sheets	electronic file(s) attached
IX-1	Request (including declaration sheets)	4	X
IX-2	Description	22	X
IX-3	Claims	1	X
IX-4	Abstract	1	X
IX-5	Drawings	2	X
IX-7	TOTAL	30	
	Accompanying items	paper document(s) attached	electronic file(s) attached
IX-11	Copy of General Power of Attorney	-	-
IX-17	PCT-SAFE Physical Media		
IX-19	Figure of the drawings which should accompany the abstract	1	
IX-20	Language of filing of the international application	Japanese	
X-1	Signature of applicant, agent or common representative	/100102842/	
X-1-1'	Name	KUZUWA, Kiyoshi	

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10-1	Date of actual receipt of -the purported international application	
10-2	Drawings:	
10-2-1	Received	
10-2-2	Not received	
10-3	Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application	
10-4	Date of timely receipt of the required corrections under PCT Article 11(2)	
10-5	International Searching Authority .	ISA/JP
10-6	Transmittal of search copy delayed until search fee is aid	

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11-1	Date of receipt of the record copy by the International Bureau	
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INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2005/001751

A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl.⁷ G02F1/1335, G02F/13357, F21S2/00, F21Y103:00, F21V3/00,
G02B5/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int. Cl.⁷ G02F1/1335, G02F/13357, F21S2/00, F21Y103:00, F21V3/00,
G02B5/02

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1922-1996	Toroku Jitsuyo Shinan Koho	1994-2005
Kokai Jitsuyo Shinan Koho	1971-2005	Jitsuyo Shinan Toroku Koho	1996-2005

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 2002-221608 A (Daicel Chemical Industries, Ltd.), 09 August, 2002 (09.08.02), Full text; all drawings & US 2002/0154260 A1	1-6
Y	JP 11-223812 A (Canon Inc.), 17 August, 1999 (17.08.99), Full text; all drawings (Family: none)	1-6
Y	JP 2001-305335 A (Sumitomo Chemical Co., Ltd.), 31 October, 2001 (31.10.01), Full text; all drawings (Family: none)	1-6

☐ Further documents are listed in the continuation of Box C.☐ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search
02 March, 2005 (02.03.05)Date of mailing of the international search report
22 March, 2005 (22.03.05)Name and mailing address of the ISA/
Japanese Patent Office

Authorized officer

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